

## DEVICE FOR IRRADIATING TISSUE

## ABSTRACT OF THE DISCLOSURE

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4 A device for irradiating tissue includes a fluorescent  
5 element for receiving pump radiation and responsively  
6 emitting radiation having different spectral  
7 characteristics than the pump radiation. A redirector  
8 receives emitted radiation promulgated in a direction away  
9 from a tissue target and redirects the radiation toward the  
10 target. The pump radiation may be supplied, for example, by  
11 a flashlamp or frequency-doubled neodymium-doped laser. Use  
12 of the device provides an inexpensive and effective  
13 alternative to conventional dye laser-based systems for  
14 various medical therapies, including treatment of vascular  
15 and pigmented lesions, tattoo and hair removal, and  
16 photodynamic therapy (PDT).